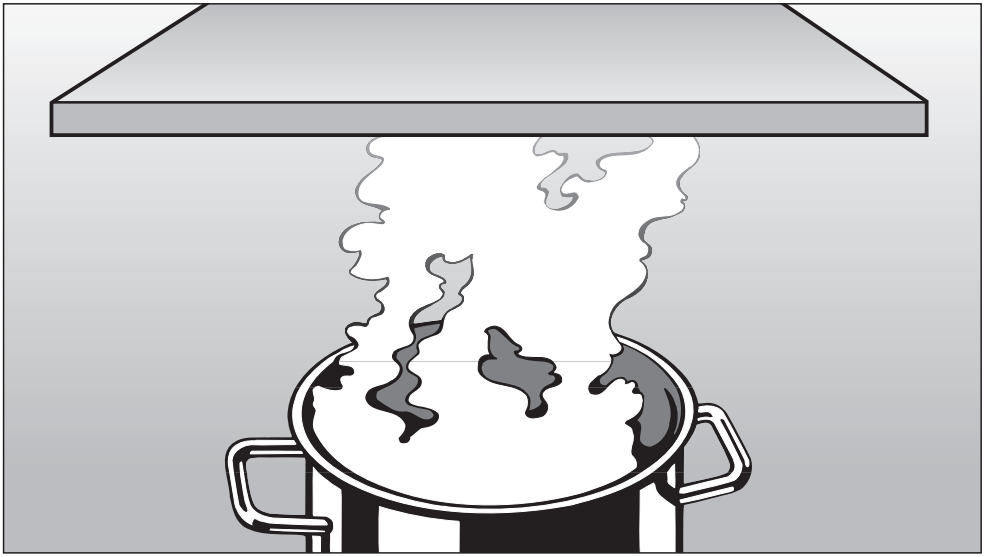
Operating and installation instructions



Cooker hood
DA 416-4,
DA 419-4

To avoid the risk of accidents or damage to this appliance it is **essential** to read these instructions before it is installed and used for the first time.

en - GB

M.-Nr. 07 755 460

Contents

Caring for the environment . . . 3
Warning and Safety instructions . . . 4
Guide to the appliance . . . 10
Modes of operation . . . 12
Operation . . . 13
To switch the fan on ⏻ . . . 13
To select a power level − / + . . . 13
Hob lighting ☼ . . . 14
Cleaning and care . . . 15
Housing . . . 15
Grease filters . . . 16
Fitting and replacing the charcoal filter . . . 18
Changing a halogen lamp . . . 19
Appliance dimensions . . . 20
Safety distance between hob and cooker hood (S) . . . 21
Installation . . . 23
Installation instructions . . . 23
Protective foil . . . 23
Dismantling . . . 23
Assembly parts . . . 24
Connection for air extraction . . . 26
Condensate trap . . . 27
Silencer . . . 28
Electrical connection . . . 29
Operation with Control module DSM 400 . . . 30
Connection to a window contact switch . . . 30
Potential free connection . . . 30
Connection to a light switch . . . 31
After Sales Service . . . 32
Technical data . . . 33

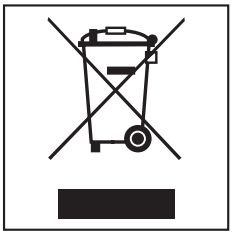
Disposal of the packing material

The transport and protective packing has been selected from materials which are environmentally friendly for disposal, and should be recycled.

Packaging e.g. cling film, polystyrene and plastic wrappings must be kept out of the reach of babies and young children. Danger of suffocation!

Disposal of your old appliance

Electrical and electronic appliances often contain materials which, if handled or disposed of incorrectly, could be potentially hazardous to human health and to the environment. They are, however, essential for the correct functioning of your appliance. Please do not therefore dispose of it with your household waste.



Please dispose of it at your local community waste collection / recycling centre or contact your dealer for advice. Ensure that it presents no danger to children while being stored for disposal.

This appliance complies with all relevant local and national safety requirements. Inappropriate use can, however, lead to personal injury and damage to property.

To avoid the risk of accidents and damage to the appliance, please read these instructions carefully before using it for the first time. They contain important information on the safety, installation, use and maintenance of the appliance.

Keep these instructions in a safe place and ensure that all users are familiar with the contents. Pass them on to any future owner of the appliance.

Correct application

▶ This appliance is not designed for commercial use. It is intended for use in domestic households and in similar working and residential environments such as:

– Shops

– Offices and showrooms

and for use by residents in establishments such as

– Hostels

▶ It must only be used as a domestic appliance to extract vapours and remove odours from cooking.

Any other usage is not supported by the manufacturer and could be dangerous. Miele cannot be held liable for damage resulting from incorrect or improper use or operation of the appliance.

▶ This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience or knowledge, unless they have been given supervision or instruction concerning its use by a person responsible for their safety.

Safety with children

▶ This appliance is only intended for use by adults who have read these instructions.

▶ This appliance is not a toy! To avoid the risk of injury, keep children well away and do not allow them to play with it or to use the controls. They will not understand the potential dangers posed by it. They should be supervised whenever you are working in the kitchen.

▶ Older children may use the cooker hood only when its operation has been clearly explained to them and they are able to use it safely, recognising the dangers of misuse.

▶ Please be aware that on cooker hoods with halogen lighting, the lamps will get very hot during use and remain hot for some time after switching off. To safeguard against burning, keep children well away from the lamps at all times.

Technical safety

▶ Before installation, check the cooker hood for visible signs of damage. Under no circumstances should you use a damaged appliance. It could be dangerous.

▶ Before connecting the appliance to the mains supply, make sure that the voltage and frequency details given on the data plate correspond with the on-site electricity supply, otherwise the appliance could be damaged. Consult a qualified electrician if in any doubt.

▶ The electrical safety of this appliance can only be guaranteed when continuity is complete between the appliance and an effective earthing system which complies with current local and national safety regulations. It is most important that this basic safety requirement is present and tested regularly, and where there is any doubt, the household wiring system should be inspected by a qualified electrician. The manufacturer cannot be held liable for the consequences of an inadequate earthing system (e.g. electric shock).

▶ For safety reasons, this appliance may only be used when it has been fully installed.

▶ Only open the housing as described in the instructions given in the installation sheet and in the Cleaning and care section of this booklet. Under no circumstances should any other parts of the housing be opened. Tampering with electrical connections or components and mechanical parts is highly dangerous to the user, and can cause operational faults.

▶ Installation, maintenance and repairs may only be carried out by a Miele authorised person in accordance with current national and local safety regulations.
Repairs and other work by unqualified persons could be dangerous. The manufacturer cannot be held liable for unauthorised work.

▶ Faulty components must only be replaced by genuine Miele original parts. The manufacturer can only guarantee the safety of the appliance when Miele replacement parts are used.

▶ During installation, maintenance and repair work, the appliance must be disconnected from the mains electricity supply. It is only completely isolated from the electricity supply when:

– it is switched off at the isolator, or
– the screw-out fuse is removed (in countries where this is applicable), or
– the mains fuse is disconnected, or
– it is switched off at the wall socket and the plug withdrawn, or
– the fuse to the fused spur connection unit is withdrawn.

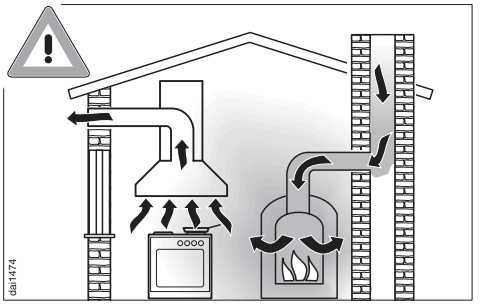
▶ Do not connect the appliance to the mains electricity supply by a multi-socket unit or an extension lead. These do not guarantee the required safety of the appliance (e.g. danger of overheating).

▶ This appliance may only be used in mobile installations if a risk assessment of the installation has been carried out by a suitably qualified engineer.

▶ In areas which may be subject to infestation by cockroaches or other vermin, pay particular attention to keeping the appliance and its surroundings in a clean condition at all times. Any damage which may be caused by cockroaches or other vermin will not be covered by the guarantee.

Using at the same time as other heating appliances that depend on the air from the room

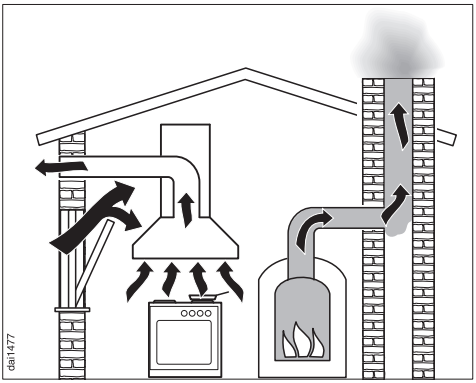
Warning - danger of toxic fumes



▶ Great care should be taken when using the cooker hood at the same time and in the same room or area of the house as another heating appliance which depends on the air in the room. Such appliances include gas, oil, wood or coal-fired boilers and heaters, continuous flow or other water heaters, gas hobs, cookers or ovens which draw air in from the room and duct exhaust gases out through a chimney or extraction ducting.
When used in extraction mode, the appliance draws air in from the room in which it is installed **and** from neighbouring rooms.
If there is insufficient air, an underpressure will occur. The heating appliance may be starved of oxygen, impairing combustion.

Harmful gases could be drawn out of the chimney or extraction ducting back into the room, with potentially fatal consequences.

In order to ensure safe operation, and to prevent gases given off by the heating appliances from being drawn back into the room when the cooker hood and the heater are in operation simultaneously, an underpressure of 0.04 mbar (4 pa) is the maximum permissible in the room.



Ventilation can be maintained by air inlets which must not be blocked, in windows, doors and outside wall vents, or by other technical measures, such as ensuring that the cooker hood can only be switched on when the heating appliance is switched off or vice versa. A ventilation brick alone is not generally sufficient to ensure safe ventilation.

⚠ The overall ventilation condition of the dwelling must be taken into account. If in any doubt, the advice of a competent builder or, for gas, a qualified gas fitter (GasSafe registered in the UK) must be sought.

One of the following technical measures may be necessary to ensure safe operation.

– If the only way of ensuring adequate ventilation is via an open window, a window contact switch should be fitted to ensure that the cooker hood can only operate when the window is opened sufficiently. A window contact switch kit is available from good builders' merchants.
  Take care when ventilating the room through an open window that ventilation is not impaired by a closed blind or curtain.

– The cooker hood can be set up to automatically switch on an air intake fan or open a motorised inlet flap when it is switched on.

– The cooker hood can be set up to automatically switch off a heating appliance which also depends on the air from the room when it is switched on.

The Miele DSM 400 control module offers the possibility of combining other components with the cooker hood (see "Operation with Control module DSM 400").
It is available to purchase as an optional extra.

If in any doubt , the advice of a qualified builder, gas fitter (GasSafe registered in the UK) or electrician must be sought.

If the hood is being operated in recirculation mode, the above restrictions do not apply.

Correct use

▶ Never use an open flame beneath the cooker hood. To avoid the danger of fire, do not flambé or grill over an open flame under the cooker hood. When switched on, the cooker hood could draw flames into the filter. Fat particles drawn into the cooker hood present a fire hazard.

▶ When using the cooker hood over a gas hob, ensure that any burners in use are always covered by a pan. Switch the cooking zone off when a pan is removed, even for a short time. Regulate the flame so that it does not burn up the sides of the pan.
Do not allow the pans to overheat excessively (e.g. when using a wok). The cooker hood can become damaged when exposed to excessive heat.

▶ Always switch the cooker hood on when a cooking zone is in use, otherwise condensation may collect in the hood, which could cause corrosion.

▶ When cooking with oil or fat, chip pans and deep fat fryers etc, do not leave the pans unattended. Never leave an open grill unattended when grilling. Overheated oil and fat can ignite and could set the cooker hood on fire.

▶ Do not use the cooker hood without the filters in place. This way you will avoid the risk of grease and dirt getting into the appliance and hindering its smooth operation.

▶ The filters should be regularly cleaned or changed as appropriate. Saturated filters are a fire hazard. See "Cleaning and care".

▶ The cooker hood can get very hot during cooking due to heat rising from the hob.
Do not touch the housing or the grease filters until the cooker hood has cooled down.

▶ Do not use a steam-cleaner to clean this appliance. Steam could reach the electrical components and cause a short circuit.

Correct installation

▶ Refer to the cooker or hob manufacturer's instructions as to whether a cooker hood may be operated above the cooker/hob.

▶ The minimum safety distances between the top of the cooker or hob and the bottom of the cooker hood given in the "Appliance dimensions" section of this booklet must be maintained, unless the hob manufacturer states that a greater safety distance is required.

If more than one appliance is fitted beneath the cooker hood, and they have different minimum safety distances to the cooker hood, select the greater distance.

▶ Safety regulations prohibit the fitting of a cooker hood over solid fuel stoves.

▶ All ducting, pipework and fittings must be of non-flammable material. These can be obtained from the Miele Spare Parts department or from builders' merchants.

▶ The appliance must not be connected to a chimney or vent flue which is in use. Neither should it be connected to ducting which ventilates rooms with fireplaces.

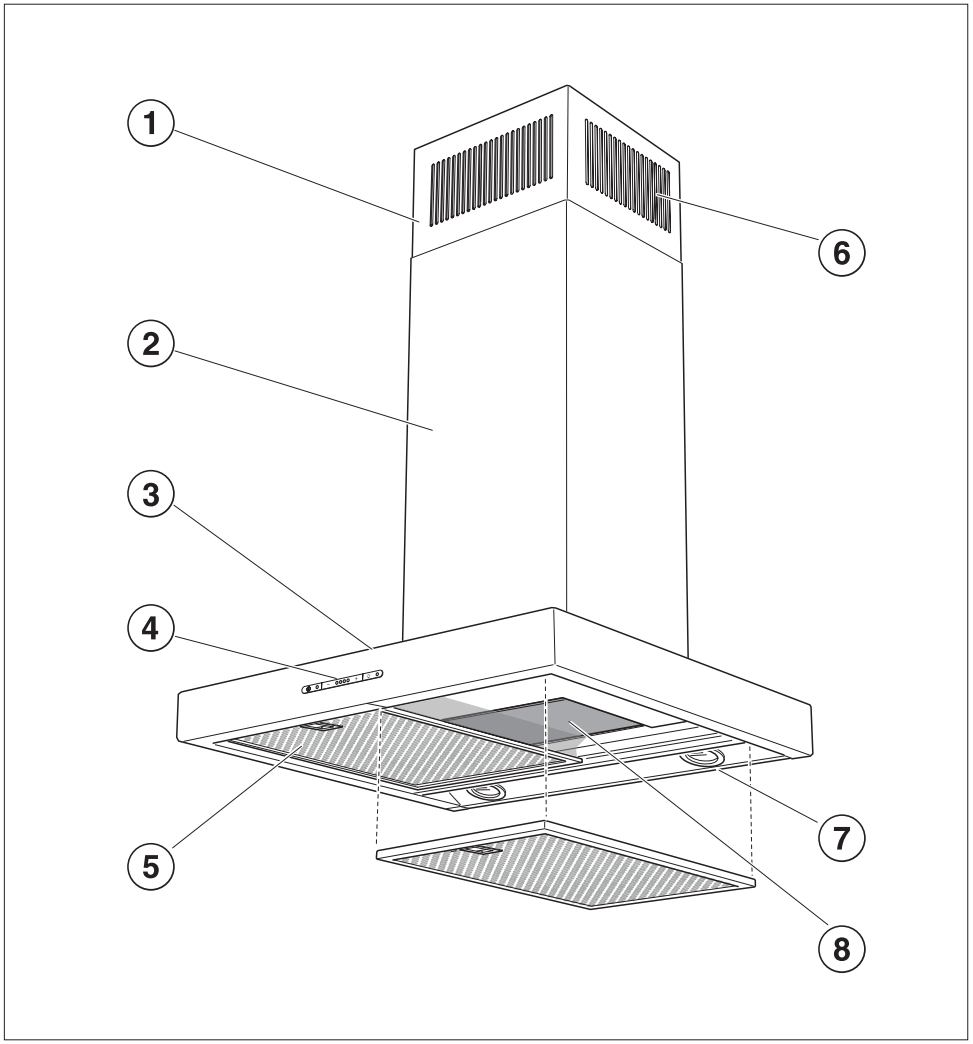
▶ If exhaust air is to be extracted into a chimney or ventilation duct no longer used for other purposes, seek professional advice.

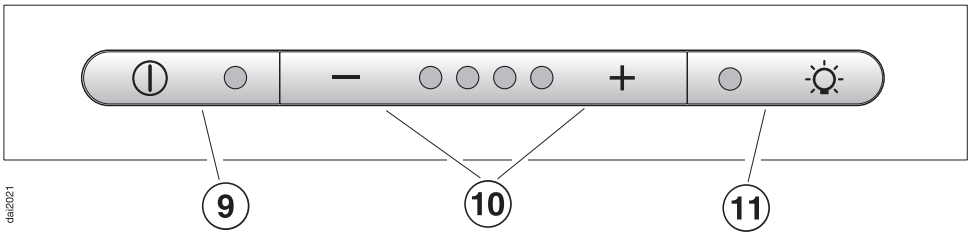
Accessories

▶ Only use genuine Miele original spare parts and accessories with this appliance. If spare parts or accessories from other manufacturers are used, this will invalidate the guarantee, and Miele cannot accept liability.

The manufacturer cannot be held liable for damage caused by non-compliance with these Warning and Safety instructions.

Guide to the appliance





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① **Telescopic extension piece**

② **Tower**

③ **Canopy**

④ **Touch controls**

⑤ **Grease filters**

⑥ **Recirculation grille**

(only for recirculation mode)

⑦ **Hob lighting**

⑧ **Charcoal filter**

(special accessory for recirculation mode)

⑨ **On/Off control for the fan**

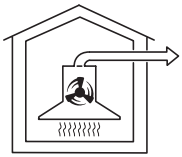
⑩ **Controls to select fan power level**

⑪ **On/Off control for hob lighting**

Modes of operation

The cooker hood works with

. . . air extraction:



The air is drawn in and cleaned by the grease filters and directed outside.

If the on-site ventilation system does not have a **non-return flap**, the non-return flap supplied with the appliance must be fitted in the exhaust socket in the motor unit.

Having a non-return flap fitted in the ducting ensures that air, once ducted to the outside, cannot get back into the room again.

The flap is closed when the cooker hood is switched off.

When the cooker hood is switched on, the non-return flap opens for the cooking vapours to be ducted away.

. . . air recirculation:

(available as an optional extra with a conversion kit and charcoal filter: see "Technical Data")

The air is drawn in and cleaned first by the grease filters and then by a **charcoal filter**. The cleaned air is then recirculated back into the kitchen through grilles in the top of the cooker hood extension piece.

Before using the cooker hood in recirculation mode, ensure that the charcoal filter is in place. See "Cleaning and care".

To switch the fan on ⏻

■ Press the On/Off control ⏻.

The fan will come on at power level II.

If the cooker hood has been connected to a window contact switch via the Miele DSM 400 control module, then the fan cannot be switched on if the window is shut. The ⏻ symbol flashes.

To select a power level − / +

■ To select a lower power level, press the **–** symbol, or to select a higher power level, press the **+** symbol.

Depending on the intensity of the cooking vapours, levels "I" to "III" are usually sufficient for normal cooking.

Intensive setting

For short periods of cooking food with intensive vapours and a strong aroma, e.g. when searing meat, you may wish to select the Intensive Setting "IV".

Automatic switch-off of the Intensive setting

You can set the Intensive setting so that it only runs for 10 minutes before reverting automatically to level III.

■ To set this option, both the fan and the hob lighting must be switched off.

■ Press the **–** and **+** controls at the same time for approx. 10 seconds until the first power level indicator lamp lights up in the display.

■ Then press in turn:

– the Hob lighting control ☼,

– the **–** symbol, and

– the Hob lighting control ☼ again.

The indicator lamps for fan power levels I and IV will flash if the automatic switch-off for the Intensive setting is not activated.

■ Press the **+** control to activate automatic switch-off.
The indicator lamps for fan power levels I and IV will now light up constantly.
Press the **–** control to deactivate the automatic switch-off function.

■ Press the On/Off ⏻ control to confirm.

If you do not confirm within 4 minutes, the cooker hood will automatically revert to the original setting.

To switch the fan off ⏻

- Press the On/Off control ⏻ to switch the fan off.

The ⏻ symbol goes out.

It is advisable to run the fan for a few minutes after cooking has finished to neutralise any lingering odours in the air, whether you are using air extraction or recirculation mode.

Hob lighting ☼

- The hob lighting can be switched on and off independently of the fan by pressing the hob lighting control ☼.

Safety switch-off

Should the cooker hood be left on, the fan will switch off automatically after 10 hours. The lighting will remain on.

Pressing the On/Off control ⏻ will switch the fan back on again.

A range of Miele branded cleaning and conditioning products is available to order from Miele (see back page for details) or the via the internet at www.miele-shop.com.

Before any cleaning or maintenance work is carried out, disconnect the cooker hood from the mains supply. Ensure that:
– it is switched off at the isolator, or
– it is switched off at the wall socket and the plug is withdrawn, or
– the fuse from the fused spur connection unit is withdrawn, or
– the mains fuse is disconnected, or
– the screw-out fuse is removed (in countries where this is applicable).

Housing

General

The surfaces and controls are susceptible to scratches and abrasions. Please observe the following cleaning instructions.

■ All external surfaces and controls can be cleaned using a Miele E-Cloth or with warm water and a little washing-up liquid applied with a well wrung-out soft sponge or cloth.

Only use a damp cloth as water could get into the appliance and cause damage.

■ Wipe dry using a soft cloth.

Do not use:

– cleaning agents containing soda, acids, chlorides or solvents,

– abrasive cleaning agents, e.g. powder cleaners or cream cleaners and abrasive sponges, as well as pot scourers or sponges which have been used previously with abrasive cleaning agents.
These will damage the surface material.

Important for appliances with stainless steel housing

(This infomation does not apply to the controls).

■ Stainless steel surfaces can be cleaned using the Miele E-Cloth or with a suitable, non-abrasive, proprietary cleaning agent for stainless steel, following the manufacturer's instructions on the packaging.

■ To help prevent re-soiling, a conditioning agent for stainless steel can also be used. Follow the manufacturer's instructions on the packaging.

Important for appliances with lacquered housing

(Special order finish)

It is very difficult to clean this type of surface without causing minor marks to the surface material. This can become particularly noticeable with darker colours and if there is halogen lighting in the kitchen.

Controls

The controls may suffer discolouration or damage if soiling is left on them for too long.
Remove soiling straight away.

- Observe the General notes on cleaning earlier in this section.

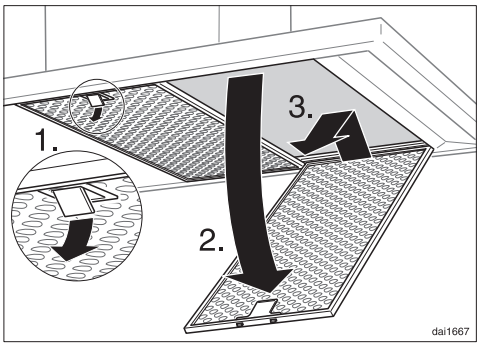
Do not use stainless steel cleaning agents on the controls.

Grease filters

The re-usable metal grease filters in the appliance remove solid particles (grease, dust, etc.) from the kitchen vapours, preventing soiling of the cooker hood.

The grease filters should be cleaned regularly (at least every 3-4 weeks) to avoid a build-up of grease.

⚠ An oversaturated filter is a fire hazard.



- To take out the grease filters, release the locking clip on the filters, lower the filters 45°, unhook them at the back and remove them.

To avoid damaging the filters or the hob below, make sure you hold the filters securely at all times when handling them.

Cleaning the grease filters by hand

- Clean the filters with a soft nylon brush in a mild solution of hot water and a little washing-up liquid.
  Do not use "neat" washing up liquid.

Do not use:

– cleaning agents containing descaling agents,

– powder cleaners, cream cleaners or abrasive all-purpose cleaners.

– oven sprays.

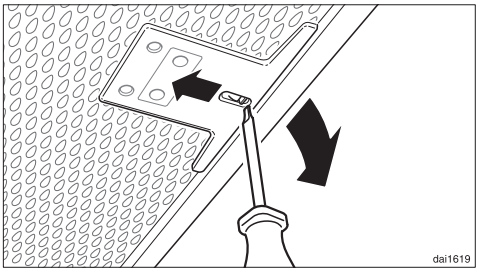
Cleaning the grease filters in the dishwasher

- Place the filters as upright as possible in the lower basket, with the short sides upright, and wash in a 65°C programme, ensuring the spray arm is not obstructed. If a Miele dishwasher is being used, select the Sensor wash programme.
- Use a mild dishwasher detergent.

Depending on the cleaning agent used, cleaning the filters in a dishwasher can cause permanent discolouration to the surface. However, this will not affect the functioning of the filters in any way.

- After cleaning, leave the filters to dry on an absorbent surface before replacing them.
- When removing the filters for cleaning, also clean off any residues of oil or fat from the now accessible housing to prevent the risk of these catching fire.

When putting the grease filters back in position, ensure that the locking clips are facing down towards the hob.



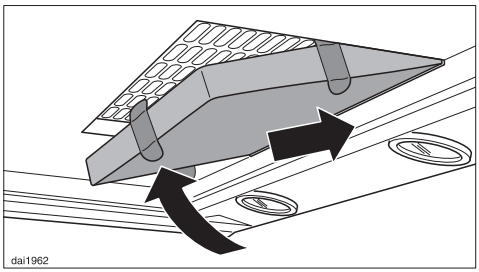
- If a grease filter is inadvertently replaced upside down, insert a small screwdriver blade into the slit to disengage the clip.

Fitting and replacing the charcoal filter

If the cooker hood is connected for recirculation, a charcoal filter must be inserted in addition to the grease filters. This is designed to absorb cooking odours.
It is fitted in the canopy above the grease filters.

New charcoal filters can be purchased from your Miele dealer, from the Miele Spare Parts Department or via the internet at www.miele.shop.com.
See back cover for contact details, and "Technical data" for the model number of the filter.

- Before fitting or replacing a charcoal filter, the grease filters must first be taken out (see previous section for instructions on how to do this).
- Take the charcoal filter out of its packaging.



- Insert the charcoal filter into the back of the charcoal filter frame, then push up into the frame at the front.
- Replace the grease filters.

Replace the charcoal filter when it no longer absorbs kitchen odours effectively.

It should, however, be replaced at least every 6 months.

- Used charcoal filters can be disposed of with the normal household waste.

Changing a halogen lamp

■ Before any cleaning or maintenance work, disconnect the cooker hood from the mains supply. Ensure that:

– it is switched off at the isolator, or

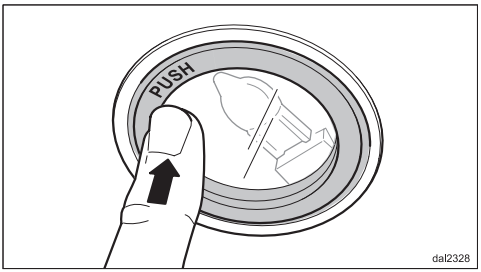
– it is switched off at the wall socket and the plug is withdrawn, or

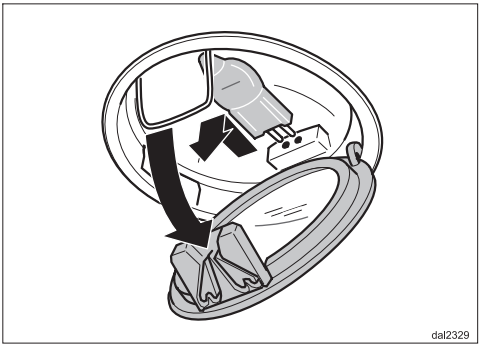
– the fuse from the fused spur connection unit is withdrawn, or

– the mains fuse is disconnected, or

– the screw-out fuse is removed (in countries where this is applicable).

⚠ Exercise caution when changing halogen lamps. They get very hot during use and remain hot for some time after being switched off. Let them cool down before you change them.





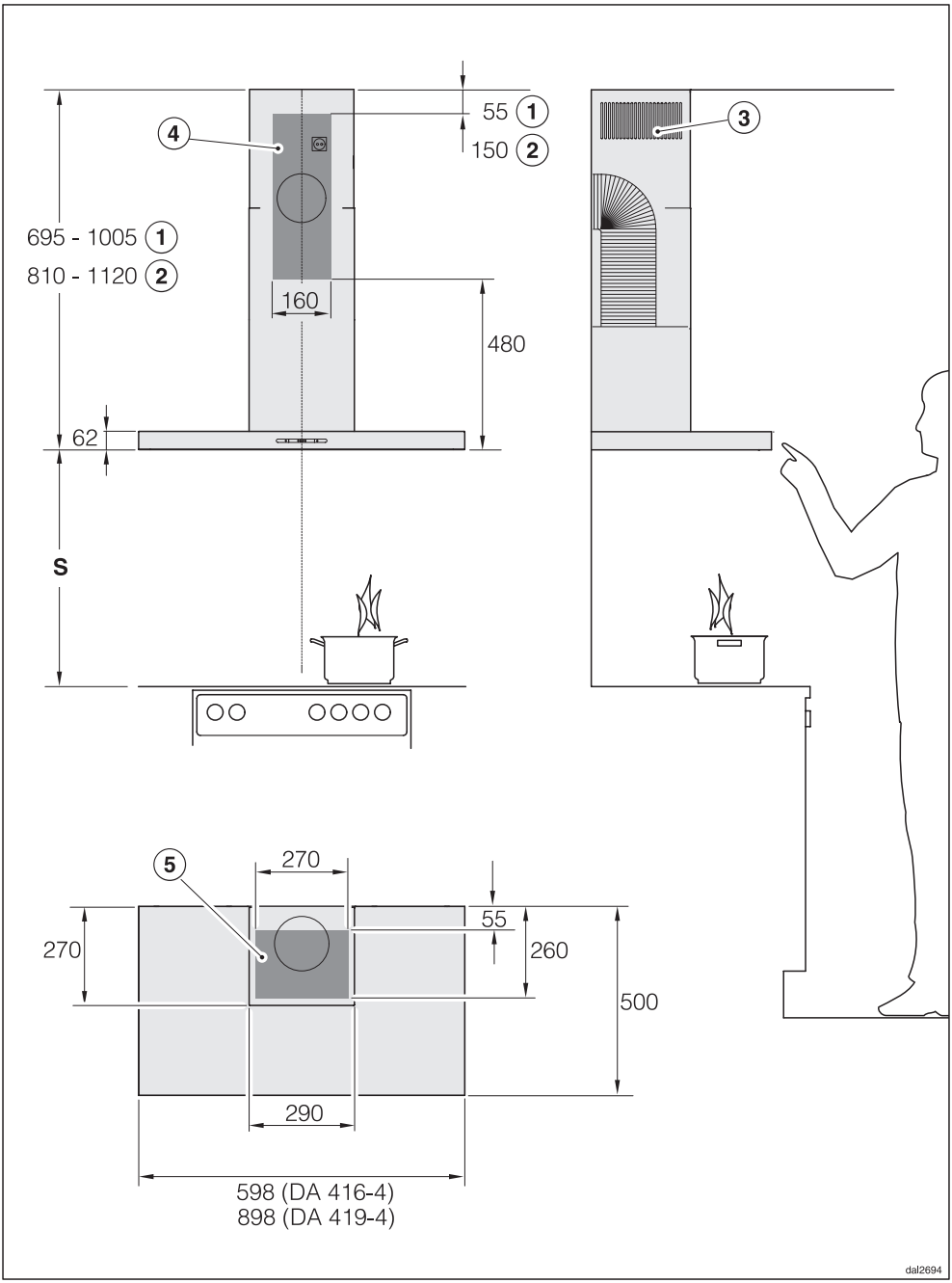
■ To access the halogen lamp, push the lamp cover gently upwards. The cover will open and can be pulled down.

■ Pull the old halogen lamp out of the connection socket.

■ Using a cloth or glove, push the new lamp (12 V, 20 W, G4 cap) carefully into the connection socket. Please follow the manufacturer's instructions.

■ Push the cover back up and make sure it clicks into place.

Appliance dimensions



The diagram is not drawn to scale.

① Extraction

② Recirculation

③ Ventilation grille positioned at the top for recirculation

④, ⑤
(⑤ is not required for recirculation mode cooker hoods).The shaded areas represent the wall or ceiling area for the vent cut-out and for fitting the connection socket.
For recirculation mode, only a connection socket needs to be fitted.

Connection for air extraction
∅ 150 mm, or ∅ 125 mm with reducing collar.

Safety distance between hob and cooker hood (S)

When planning the installation height of your cooker hood, the **minimum** safety distances between the top of a cooker or hob and the bottom of the cooker hood are as follows, unless a greater distance is specified by the manufacturer of your cooking appliance:

450 mm	above electric hobs and cookers
650 mm	above gas hobs and cookers
650 mm	above an open grill or deep fat fryer

See "Warning and Safety" instructions for further information.

– When deciding on the safety distance between the hob and cooker hood, please note that a distance of 650 mm above electric cookers/hobs may be preferable to give more working space under the hood.

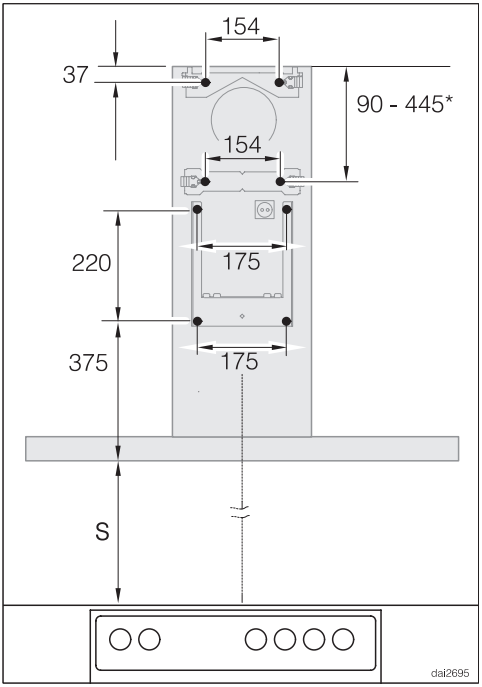
– Account should also be taken of the height of the person who will be using the hood most often. The person should have sufficient space to work comfortably at the hob, and also be able to reach the hood controls with ease.

– Please be aware that if positioned too high, extraction will be inefficient.

– If you want the top of the cooker hood telescopic extension piece to be mounted flush with the ceiling, make sure there is adequate space below the appliance for working. See maximum/minimum appliance height.

Appliance dimensions

Drilling diagram



This diagram illustrates where holes for Ø 5 mm screws need to be drilled in the rear wall.

* The dimensions between the ceiling and the middle bracket can vary depending on the position of the vent cut-out and the connection socket. It should be installed as low as possible.

If the cooker hood is being secured directly to the wall, please follow the drilling instructions given in the installation instructions supplied.

Before installation, it is important to read the information given on the following pages as well as the "Appliance dimensions" and the "Warning and Safety instructions" at the beginning of this booklet.
This is particularly crucial when using the cooker hood at the same time as a heating appliance that relies on oxygen from the same room to avoid the danger of toxic fumes building up.

Installation instructions

See enclosed Installation sheet for instructions on how to install this appliance.

Protective foil

(on stainless steel appliances)

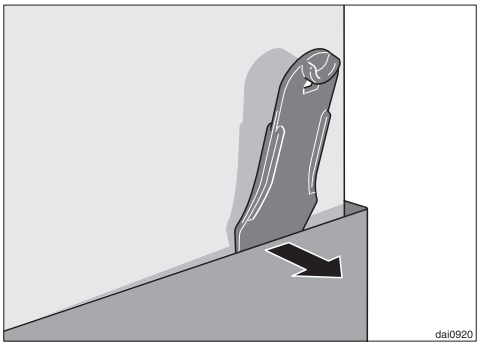
The housing components have protective foil around them to prevent them being damaged during transport.

- Please remove this foil before fitting the housing components. It can be peeled off easily.

Dismantling

Should the appliance ever need to be dismantled, follow the installation instructions in reverse order as described on the installation sheet.

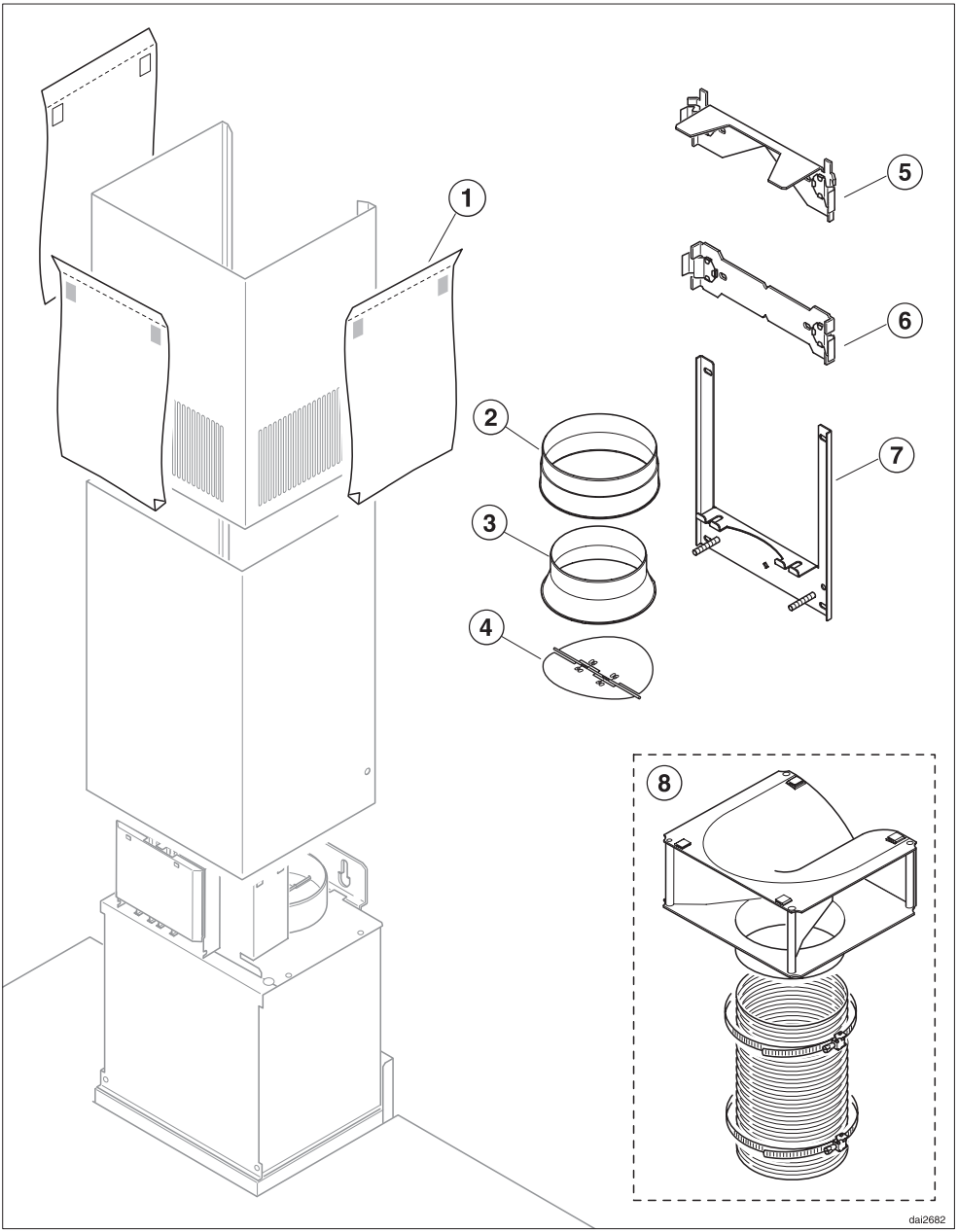
A lever is supplied to assist with the removal of the tower.



- After loosening the fixing screws on the tower, push the lever between the tower and the telescopic extension piece to lever the tower out of its fixings.

Installation

Assembly parts



① **3 protective sheets**
for use when fitting the tower.

② **1 exhaust connection** for exhaust ducting ∅ 150 mm.

③ **1 reducing collar** for exhaust ducting ∅ 125 mm.

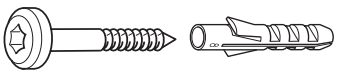
④ **1 non-return valve**
for fitting into the exhaust connection on the motor unit (not for recirculation mode).

⑤ **Upper wall bracket**
for securing the extension piece.

⑥ **Middle wall bracket**
for securing the extension piece.

⑦ **Lower wall bracket**
for securing the appliance unit.

⑧ **Conversion kit for recirculation mode**
including directional unit and flexible aluminium hose with clips (this is not included, but is available as an optional extra - see Technical Data).

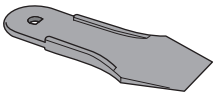


8 screws 5 x 40 mm and
8 x S 8 plugs for securing the retaining plates to the wall.

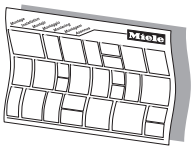
The screws and plugs are designed for use in solid walls.
For other types of wall construction, alternative fixings will be required.
Make sure the wall is strong enough to bear the weight of the cooker hood.

2 x M 6 self-tapping nuts
for securing the appliance.

2 screws 3.9 x 7.5 mm
for securing the tower.



1 lever
for dismantling the tower.



Installation instructions

Connection for air extraction

Important: To avoid the danger of toxic fumes, please observe the Warning and Safety instructions. This is especially crucial when using the cooker hood at the same time as another heating appliance which relies on air from the same room. The cooker hood should be installed according to local and national building regulations. Seek approval from the building inspector where necessary.

– Only use smooth pipes or flexible hoses made from non-flammable materials for the extraction ducting.

To achieve the greatest possible air extraction with the lowest noise level, please note the following:

– To ensure efficient air extraction, the diameter of the exhaust ducting should not be less than 150 mm.

– If flat ducting is being used, the cross-sectional area must not be smaller than the cross-sectional area of the exhaust connection.

– All ducting, pipework and fittings must be of non-flammable materials.

– The exhaust ducting should be as short and straight as possible.

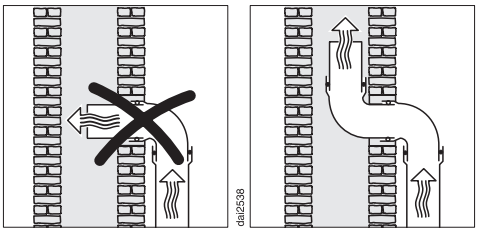
– Only use wide radius bends.

– The exhaust ducting should not be kinked or compressed.

– Ensure that all connections are strong and airtight.

– Where ducting is horizontal, it must be laid to slope away at at least 1 cm per metre. This is to ensure that condensate cannot drain back into the cooker hood.

– If the exhaust air is to be ducted into the open air, the installation of a telescopic wall vent or roof vent (available as an optional accessory) is recommended.



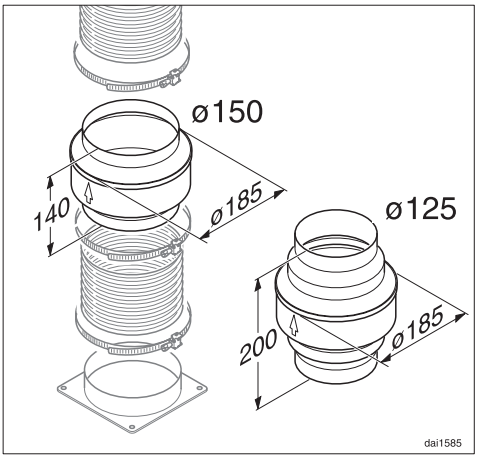
– If the exhaust air is to be ducted into a vent flue, the ducting must be directed in the flow direction of the flue.

Important:

If the exhaust ducting is to run through rooms, ceiling space etc. where there may be great variations in temperature between the different areas, the problem of condensation will need to be addressed. The exhaust ducting will need to be suitably insulated.

Condensate trap

(optional accessory)

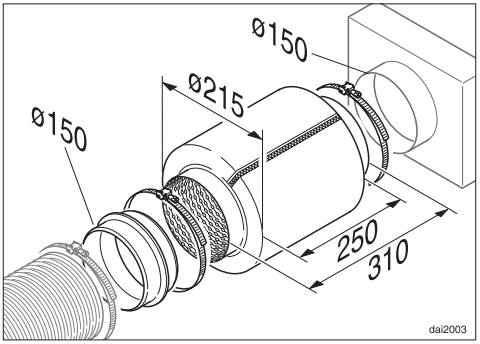


In addition to insulating the exhaust ducting, we recommend that a suitable condensate trap is also installed to collect and evaporate any condensate which may occur. Condensate traps are available for ∅ 125 mm or ∅ 150 mm ducting.

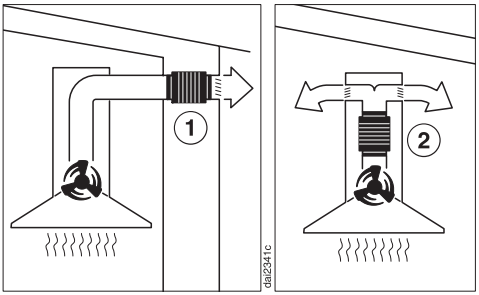
When installing a condensate trap, ensure that it is positioned vertically and if possible directly above the exhaust connection. The arrow on the housing indicates the direction of air-flow.

Silencer

(optional accessory)



To achieve even further reductions in noise levels, a special silencer can be fitted in the ducting system.



...with air extraction:

The silencer not only reduces noise from the motor, but also sounds from outside (e.g. traffic noise).
For this reason the silencer must be positioned as close as possible to where the ducting leaves the building ①.

...in recirculation mode:

The silencer needs to be positioned between the motor and the deflector ②. Ensure that there is adquate space in the tower for fitting it.

In all modes of operation, the most effective noise reductions are achieved if two silencers are fitted one behind the other in the system.

All electrical work should be undertaken by a suitably qualified and competent person in strict accordance with current national and local safety regulations (BS 7671 in the UK).

Installation, repairs and other work by unqualified persons could be dangerous, for which the manufacturer cannot be held liable.

Ensure power is not supplied to the appliance until after installation or repair work has been carried out.

Do not connect the appliance to the mains electricity supply by an extension lead. These do not guarantee the required safety of the appliance.

The connection data is given on the data plate. This is visible when the grease filters have been removed. Ensure that this data matches the household mains supply.

Connection of this appliance should be made via a suitable isolator or a double pole fused spur connection unit which complies with national and local safety regulations and the On-Off switch should be easily accessible after the appliance has been built in.
When switched off there must be an all-pole contact gap of 3 mm in the switch (including switch, fuses and relays according to EN 60335).

If the switch is not accessible after installation (depending on country), an additional means of disconnection must be provided for all poles.

For extra safety it is advisable to protect the appliance with a suitable residual current device (RCD). Contact a qualified electrician for advice.

Important

This appliance is supplied for connection to an a.c. 230 V single phase 50 Hz supply.

The wires in the mains lead are coloured in accordance with the following code:

Green/yellow	= earth
Blue	= neutral
Brown	= live

WARNING:
THIS APPLIANCE MUST BE EARTHED

Operation with Control module DSM 400

The Miele DSM 400 Control module can be used to combine the cooker hood with other components.

It enables the following:

Connection to a window contact switch

If adequate ventilation to the room can only be ensured by having a window open when the cooker hood is in use at the same time as a heating appliance which depends on the air from the same room, then the control module can be used to connect a window contact switch (not supplied) to the appliance.

Once connnected, the cooker hood can only be operated when the window is sufficiently open (see also "Warning and Safety instructions").

When the window is closed the cooker hood fan cannot be switched on. The indicator lamp for the On/Off touch control on the cooker hood will flash.

The same applies to operation with an external motor (depending on model).

The cooker hood lighting is not affected by this.

Take care when ventilating the room through an open window that ventilation is not impaired by a closed blind or curtain.

If the control module is disconnected in order to operate the cooker hood without the window contact switch (e.g. after moving house) the cooker hood electronics must be reset by a Miele service technician.

Potential free connection

This enables an external appliance to be controlled according to the switch setting on the cooker hood fan.

– For instance it can be used to ensure a sufficient supply of fresh air when the cooker hood and a heating appliance which also depends on the air in the room are being used together, by switching on an air intake fan, or opening a motorised inlet flap as soon as the cooker hood fan is switched on. It is important to ensure that the fan power is sufficient and that the air intake has a suitable cross-sectional diameter.

– If a sufficient air intake cannot be guaranteed, then the potential free contact will enable a heating appliance, which depends on air in the same room as a cooker hood, to be switched off when the cooker hood is in operation.

See also "Warning and Safety" instructions.

Connection to a light switch

The control module can be used to switch on the cooker hood lighting via a light switch in the house.

Installation

The tower needs to be removed before the control module can be fitted to the fan unit.

The control module is supplied with its own detailed operating and installation instructions.

After Sales Service

In the event of a fault which you cannot correct yourself, or if the appliance is under guarantee, please contact:

– Your Miele Dealer / Chartered Agent

or

– The Miele Service Department (see back cover for address).

When contacting your Dealer or Miele, please quote the model and serial number of your appliance. These are shown on the data plate which is visible when the grease filter is removed.

For G.B.: Please note that telephone calls may be monitored and recorded for training purposes.

N.B. A call-out charge will be applied for service visits where the problem could have been resolved as described in these instructions.

Total connected load
DA 416-4 . . . . . 160 W
DA 419-4 . . . . . 180 W
- Fan motor . . . . . 120 W
- Hob lighting
DA 416-4 . . . . . 2 x 20 W
DA 419-4 . . . . . 3 x 20 W

Voltage . . . . . 230 V

Frequency . . . . . 50 Hz

Fuse rating (UK) . . . . . 5 A

Electrical cable length . . . . . 1.5 m

Weight
DA 416-4. . . . . 17 kg
DA 419-4. . . . . 19 kg

Fan performance

Extraction power according to EN 61591

Extraction system ∅ 150 mm:
Level I . . . . . 150 m^3/h
Level II. . . . . 250 m^3/h
Level III . . . . . 350 m^3/h
Level IV Intensive Setting . . . . 500 m^3/h

Recirculation with charcoal filter:

Level I . . . . . 100 m^3/h
Level II. . . . . 150 m^3/h
Level III . . . . . 250 m^3/h
Level IV Intensive Setting . . . . 350 m^3/h

Special accessory for recirculation mode:

– Conversion kit DUW 20

– Miele charcoal filter DKF 12-1

United Kingdom
Miele Co. Ltd.
Fairacres, Marcham Road
Abingdon, Oxon, OX14 1TW
Tel: 0845 365 0555
Fax: 0845 365 0777
Customer Contact Centre Tel: 0845 365 6600
E-mail: info@miele.co.uk
Internet: www.miele.co.uk

Australia
Miele Australia Pty. Ltd.
ABN 96 005 635 398
1 Gilbert Park Drive, Knoxfield, VIC 3180
Tel: (03) 9764 7130, Fax: (03) 9764 7149
Internet: www.miele.com.au

China
Miele Shanghai
Suite 4105-06, Plaza 66
1266 Nanjing Road West
Jing An District
Shanghai 200040, PRC
Tel: +86 21 6288 4200, Fax: +86 21 6288 4100
E-mail: mieleshanghai@cn.miele.com
Internet: www.miele.cn

Miele (Hong Kong) Limited
41/F - 4101, Manhattan Place
23 Wang Tai Road
Kowloon Bay
Hong Kong
Tel: (852) 2610 1331
Fax: (852) 2610 1013
Email: mielehk@miele.com.hk

India
Miele India Pvt. Ltd.
Ground Floor, Copia Corporate Suites
Plot No. 9, Jasola
New Delhi – 110025
Tel: 011-46 900 000, Fax: 011-46 900 001
E-mail: customercare@miele.in
Internet: www.miele.in

Germany - Miele & Cie. KG
Carl-Miele-Straße 29, 33332 Gütersloh

Ireland
Miele Ireland Ltd.
2024 Bianconi Avenue
Citywest Business Campus, Dublin 24
Tel: (01) 461 07 10, Fax: (01) 461 07 97
E-Mail: info@miele.ie, Internet: www.miele.ie

New Zealand
Miele New Zealand Limited
Unit L, 10-20 Sylvia Park Road
Mt. Wellington, 1060, Auckland, NZ
Tel: 0800 264 353, Fax: 0800 463 453
Internet: www.miele.co.nz

Singapore
Miele Southeast Asia
Miele Pte. Ltd.
163 Penang Road
04 - 02/03 Winsland House II
Singapore 238463
Tel: +65 6735 1191, Fax: +65 6735 1161
E-Mail: infosea@miele.com.sg
Internet: www.miele.sg

South Africa
Miele (Pty) Ltd
63 Peter Place, Bryanston 2194
P.O. Box 69434, Bryanston 2021
Tel: +27 (0) 11 548-1900
Fax: +27 (0) 11 548-1935
E-mail: info@miele.co.za
Internet: www.miele.co.za

United Arab Emirates
Miele Appliances Ltd.
P.O. Box 11 47 82
Gold & Diamond Park
Sheikh Zayed Road
Building 6 / Offices Nos. 6-214 to 6-220
Dubai
Tel: +971-4-341 84 44
Fax: +971-4-341 88 52
E-Mail: info@miele.ae
Internet: www.miele.ae

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